

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

**André F.A. Fournier, Allen A. Jahani,  
Michael S. Sawyer and Stephen M. Grant**

Group Art Unit: 2684  
Confirmation No. 4087

Application No. 10/016,631

Filed: November 1, 2001

For: **FACILITY AND METHOD FOR  
WIRELESS TRANSMISSION OF DATA**

Attorney Docket No.: 44375/24:1

Examiner: Tilahun B. Gesesse

Date: January 5, 2005

**SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

TO THE COMMISSIONER FOR PATENTS:

1. Pursuant to the duty of disclosure, applicant presents for the Examiner's consideration the documents listed on the accompanying Form PTO-1449.

- ☒ Copies of the listed U.S. patents and U.S. patent application publications are not required for submission. (37 C.F.R. § 1.98(a)(2)(ii))
- ☒ Copies of listed foreign patent documents and non-patent literature are enclosed. (37 C.F.R. § 1.98(a)(2))
- ☐ Copies of the documents listed on sheet(s) \_\_\_\_\_ of Form PTO-1449 (or equivalent) are omitted because (1) they are already of record in U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, on which this application relies for an earlier filing date under 35 U.S.C. § 120; and (2) any information disclosure statement filed in the prosecution of Application No. \_\_\_\_\_, complies with 37 CFR §§ 1.98(a) through (c). (37 C.F.R. § 1.98(d))

2. ☐ The Examiner's attention is directed to the enclosed copy of copending U.S. Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, for \_\_\_\_\_, which is cited in this application.

3. This information disclosure statement is being submitted (check box a., b., or c.):

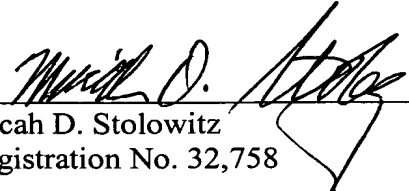
- a. ☐ Within three months of the filing date of a national application or entry of the national stage in an international application; or before the mailing of a first Office action on the merits; or before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR 1.97(e) is required.); or

- b. ☒ After the period set forth in paragraph 3a, but before the mailing date of either a final action, a notice of allowance, or an action that otherwise closes prosecution in the application. (Check box i. or ii.)
- i. ☒ A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed, or
- ii. ☐ A statement specified by 37 CFR 1.97(e) is set forth below; or
- c. ☐ After the mailing date of a final action or notice of allowance and on or before payment of the issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. Enclosed is a \$180.00 information disclosure statement processing fee set forth in 37 CFR 1.17(p).
4. If a statement specified by 37 CFR 1.97(e) is required, the attorney or agent signing below hereby states that:
- ☐ each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or
- ☐ no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.
5. ☐ A concise explanation of the relevance of each document not in the English language and/or selected documents in the English language is set forth below.

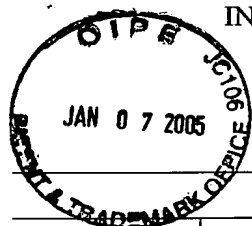
Respectfully submitted,

**Airbiquity Inc.**

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
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10/016,631INFORMATION DISCLOSURE CITATION  
(Uses several sheets if necessary)APPLICANTS  
Andre F.A. Fournier, Allen A. Jahani,  
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November 1, 2001GROUP  
2684

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	0	4	3	7	3	6	8/1991	Darnell, <i>et al.</i>	342	357	
	AB	5	2	3	5	6	3	3	8/1993	Dennison, <i>et al.</i>	379	60	
	AC	5	3	6	5	4	5	0	11/1994	Schuchman, <i>et al.</i>	364	449	
	AD	5	4	7	9	4	8	0	12/1995	Scott	379	59	
	AE	5	4	2	2	8	1	6	6/1995	Sprague, <i>et al.</i>	364	449	
	AF	5	3	8	8	1	4	7	2/1995	Grimes	379	59	
	AG	5	4	8	3	5	4	9	1/1996	Weinberg, <i>et al.</i>	375	200	
	AH	5	5	1	9	4	0	3	5/1996	Bickley, <i>et al.</i>	342	352	
	AI	5	5	4	6	4	4	5	8/1996	Dennison, <i>et al.</i>	379	60	
	AJ	5	5	5	5	2	8	6	9/1996	Tendler	379	59	
	AK	5	2	0	1	0	7	1	4/1993	Webb	455	101	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 89/12835	12/1989	WIPO	G01S	5/02		
	AM	0 512 789 A2	5/1992	European Patent Office	G01S	5/14		
	AN	WO 96/18275	6/1996	WIPO	H04Q	7/32		
	AO	0 545 783 A1	6/1993	European Patent Office	H04L	27/32		
	AP	0 545 783 A1	6/1993	European Patent Office	H04L	27/32	✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	PCT International Search Report dated 27.11.00 for International Application No. PCT/US00/13288.
	AS	Mueller, A.J., <i>et al.</i> , "A DSP Implemented Dual 9600/7200 BPS TCM Modem for Mobile Communications Over FM Voice Radios," Proceedings of the 1997 6th IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, Vol. 2, 20-22, August 1997, pages 758-761, IEEE, New York, New York.

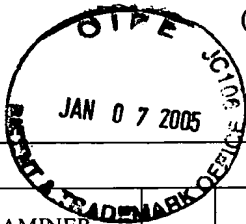
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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AT	5	7	1	2	8	9	9	1/1998	Pace, II	379	58	
	AU	5	7	2	6	8	9	3	3/1998	Schuchman, <i>et al.</i>	364	449.7	
	AV	5	7	2	6	9	8	4	3/1998	Kubler, <i>et al.</i>	370	349	
	AW	5	8	1	2	0	8	7	9/1998	Krasner	342	357	
	AX	R	E	3	5	9	1	6	10/1998	Dennison, <i>et al.</i>	455	456	
	AY	5	9	4	5	9	4	4	8/1999	Krasner	342	357.06	
	AZ	5	9	4	6	6	1	1	8/1999	Dennison, <i>et al.</i>	455	404	
	BA	5	9	7	0	1	3	0	10/1999	Katko	379	201	
	BB	6	0	0	2	3	6	3	12/1999	Krasner	342	357.1	
	BC	6	0	2	1	1	6	3	2/2000	Hoshi	375	272	
	BD	6	1	4	0	9	5	6	10/2000	Hillman, <i>et al.</i>	342	357.07	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BE	WO 99/49677	9/1999	WIPO	H04Q	7/22		
	BF	WO 00/11893	3/2000	WIPO	H04Q	7/00		
	BG	WO 98/53573	11/1998	WIPO	H04L			

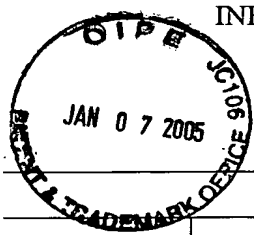
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	BH	Coleman, A., <i>et al.</i> , "Subjective Performance Evaluation of the RPE-LTP Codec for the Pan-European Cellular Digital Mobile Radio System," Globecom '89, IEEE Global Telecommunications Conference and Exhibition, Vol. 2, 27-30, November 1989, pages 1075-1079, IEEE, New York, New York.
	BI	Lin, D., <i>et al.</i> , "Data Compression of Voiceband Modem Signals," 40th IEEE Vehicular Technology Conference: On the Move in the 90's. 6-9 May 1990, pages 323-325, IEEE, New York, New York.
	BJ	PCT International Search Report dated 3 January 2002 for International Application No. PCT/US01/20021.

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	BK	6	2	7	5	9	9	0		8/2001	Dapper, et al.	725	106	
	BL	5	4	1	0	7	3	9		4/1995	Hart	455	66	
	BM	5	5	7	2	2	0	4		11/1996	Timm, et al.	340	988	
	BN	5	5	8	7	7	1	5		12/1996	Lewis	342	357	
	BO	5	6	3	0	2	0	6		5/1997	Urban, et al.	455	54	
	BP	5	6	8	6	9	1	0		11/1997	Timm, et al.	340	988	
	BR	5	6	8	7	2	1	5		11/1997	Timm, et al.	379	58	
	BS	5	7	1	1	0	1	3		1/1998	Collett, et al.	455	558	
	BT	5	7	9	7	0	9	1		8/1998	Clise, et al.	455	404	
	BU	5	9	7	8	6	7	6		11/1999	Guridi, et al.	455	426	
	BV	6	0	4	4	2	5	7		3/2000	Boling, et al.	455	404	

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														YES	NO
	BW														
	BX														
	BY														
	BZ														
	CA														

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